

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

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27. (Currently Amended) A method for enabling improved handover of a user equipment communicating in a first radio access network utilizing a first radio access technology (RAT), said method comprising:

measuring, at said user equipment, a first parameter for a plurality of neighboring cells of at least a second radio access network utilizing WCDMA,
measuring at least a second parameter for said plurality of cells of said second network;

reporting said first parameter and second parameter to a node in said first network
~~and initiating handover to one of said plurality of cells in said second network based on said reported first parameter;~~

~~—measuring at least a second parameter for said plurality of cells of said second network;~~

~~—reporting said second measured parameters to said node in said first network; and~~

~~—initiating handover to one of said plurality of cells in said second network based on both of said first and second measured parameters, and wherein~~

~~both of said the first and said the second parameter is are reported simultaneously and~~
said first parameter is reported according to one of a limited range of values, and said second parameter is reported in the same field in a Measurement Report message using a limited value range, whereby each first parameter value is reported together with one of a plurality of possible limited value ranges for said second parameter.

28. (Previously Presented) The method according to claim 27, wherein said first radio access network comprises one of GSM, WLAN and CDMA2000.

29. (Previously Presented) The method according to claim 28, wherein said node is a base station controller in a GSM radio access network.

30. (Previously Presented) The method according to claim 27, further comprising reporting said first parameter according to one of the ranges -14 dB or lower, -13 dB, -12 dB, -10 dB, -9 dB, -8 dB, -7 dB or higher, and simultaneously reporting said second parameter according to one of the ranges -110 dBm or lower, -105 dBm, -100 dBm, -95 dBm, -90 dBm, -85 dBm, -80 dBm, -75 dBm or higher.

31. (Previously Presented) The method according to claim 27, wherein said first parameter comprises information regarding the quality of the received signal at the user equipment.

32. (Previously Presented) The method according to claim 31, wherein said first parameter representing the chip energy divided by noise, E_c/N_o .

33. (Previously Presented) The method according to claim 27, wherein said second parameter comprises information regarding the signal strength of the received signal at the user equipment.

34. (Previously Presented) The method according to claim 33, wherein said second parameter represents the Received Signal Code Power (RSCP).

35. (Previously Presented) The method according to claim 27, further comprising initiating handover to said second network based on optimizing a predetermined function depending on said first and second parameter.

36. (Previously Presented) The method according to claim 27, further comprising initiating handover to a cell of said plurality of cells in said second network with the highest values on both said first and second parameters.

37. (Previously Presented) A user equipment adapted for communicating with a first radio access network utilizing a first radio access technology or a second radio access network utilizing WCDMA, said user equipment performing measurements of at least one cell in the second network in order to determine a suitable handover cell while communicating over said first radio access network, said user equipment comprising:

means for measuring a first parameter and means for reporting said parameter to the first radio network;

means for measuring a second parameter, and

means for reporting both said measured first and second parameters

simultaneously to a node in said first radio access network, wherein said means are configured for reporting said first parameter according to one of a limited range of values, and for reporting said second parameter in the same field in a Measurement Report message using a limited value range, whereby each first parameter value is reported together with one of a plurality of possible limited value ranges for said second parameter.

38. (Previously Presented) The user equipment according to claim 37, wherein said reporting means is adapted for reporting said first parameter according to one of the ranges -14 dB or lower, -13 dB, -12 dB, -10 dB, -9 dB, -8 dB, -7 dB or higher, and simultaneously reporting said second parameter according to one of the ranges -110 dBm or lower, -105 dBm, -100 dBm, -95 dBm, -90 dBm, -85 dBm, -80 dBm, -75 dBm or higher.

39. (Previously Presented) The user equipment according to claim 37, wherein said first parameter comprises information regarding the quality of the received signal at the user equipment.

40. (Previously Presented) The user equipment according to claim 37, wherein said second parameter comprises information regarding the signal strength of received signals at the user equipment.

41. (Previously Presented) The user equipment according to claim 37, wherein said first parameter is the E_c/N_o , and said second parameter is the RSCP.

42. (Previously Presented) A network node in a first radio access network, utilizing a first radio access technology, capable of communicating with a user equipment and receiving measurements of neighboring cells of a second radio access network utilizing WCDMA from the user equipment, the node comprising:

means for simultaneously receiving measured first and second parameters of the second radio access network from the user equipment, wherein said receiving means are configured for receiving said first parameter according to one of a limited range of values, and for receiving said second parameter in the same field in a Measurement Report message using a limited value range, whereby each first parameter value is received together with one of a plurality of possible limited value ranges for said second parameter, and

means for selecting a target cell of said neighboring cells of said second network for handover based on said received first and second parameters.

43. (Previously Presented) The network node according to claim 42, wherein said receiving means are adapted for receiving said first parameter according to one of the ranges -14 dB or lower, -13 dB, -12 dB, -10 dB, -9 dB, -8 dB, -7 dB or higher, and simultaneously receiving said second parameter according to one of the ranges -110 dBm or lower, -105 dBm, -100 dBm, -95 dBm, -90 dBm, -85 dBm, -80 dBm, -75 dBm or higher.

44. (Previously Presented) The network node according to claim 42, wherein said first parameter comprises information regarding the quality of received signals at the user equipment.

45. (Previously Presented) The user equipment according to claim 42, wherein said second parameter comprises information regarding the signal strength of received signals at the user equipment.

46. (Previously Presented) The network node according to claim 42, wherein said received first and second parameters are the Received Signal Code Power (RSCP) and/or the chip energy divided by noise, E_c/N_o .

47. (Previously Presented) The network node according to claim 42, wherein said node comprises a base station controller.